

Amendments to the Specification

Please replace the paragraph beginning at line 22 of page 23 as follows (Note: the title "Fiber Bragg Gratings" is not a change to the specification; it is underlined in the original):

Refer now to Figure 10, which is a schematic illustration of a spectrometer system 200 utilizing optical fibers 202 with integral bandpass filters 206. Different optical bandpass filters 206 may be applied directly to each illumination fiber 202 using either conventional coating techniques or using distributed Bragg phase gratings as described by Kashyap and Raman in Fiber Bragg Gratings, Academic Press, 1999. The optical fibers 202 with integral bandpass filters 206 may be used in place of optical fibers 110 and filter assembly 106, and may be used in combination with any of the spatial encoding devices described previously to perform the encoding. For example, the optical fibers 202 with integral bandpass filters 206 may be used in combination with the mask encoder 152 described with reference to Figure 6.